

# Western Avenue WQARF Site

**Western Avenue/Phoenix Goodyear Airport**

**CAG Meeting of November 7, 2013**

**Delfina Olivarez**

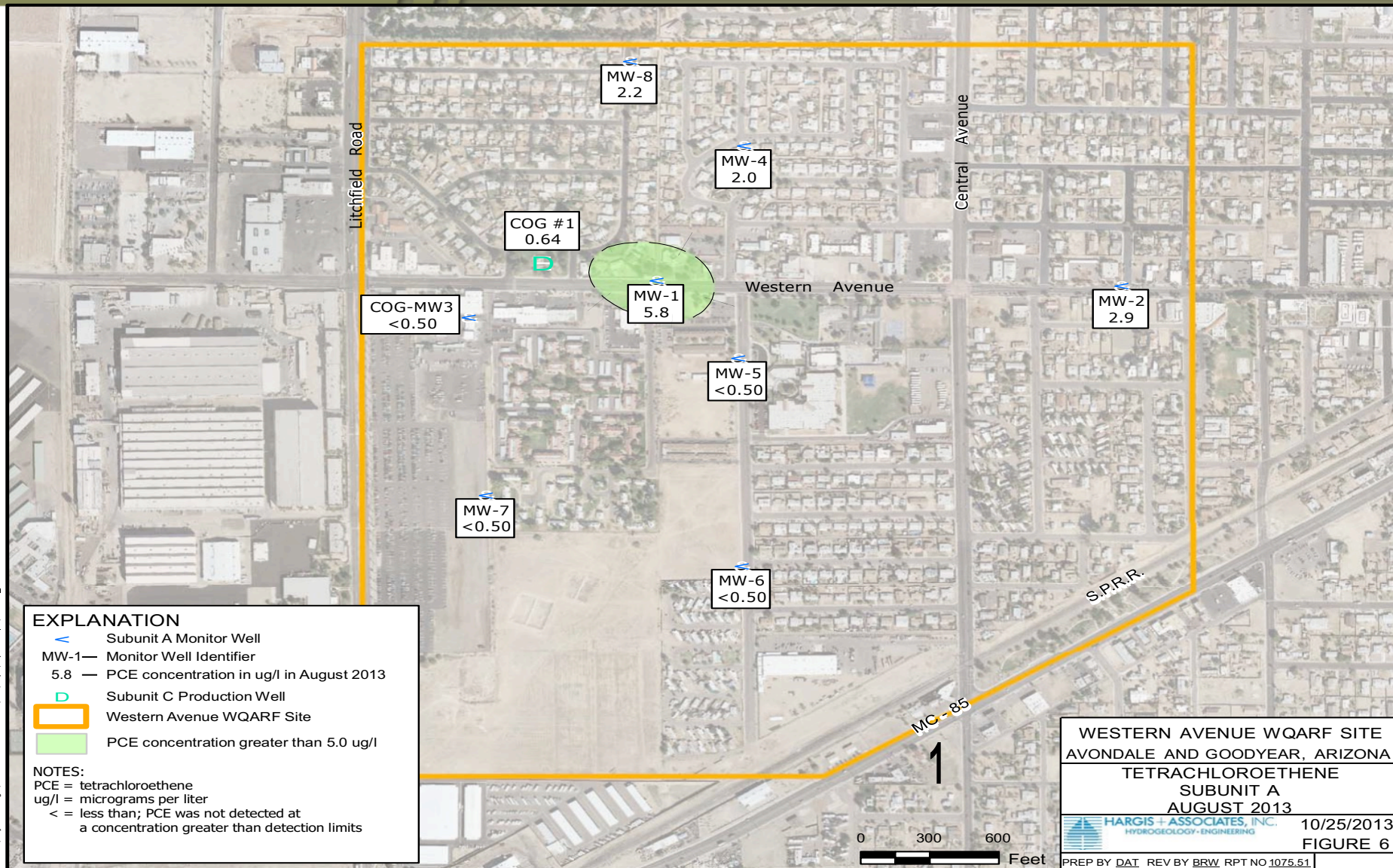


## **Update on Site Activities**

- **Quarterly Groundwater Quality sampling results from Western Avenue Monitoring Wells and the City of Goodyear well No. 1**
- **Final Feasibility Study Report**
- **Final Time-Series Groundwater Sampling City of Goodyear Municipal Well No. 1 Report**

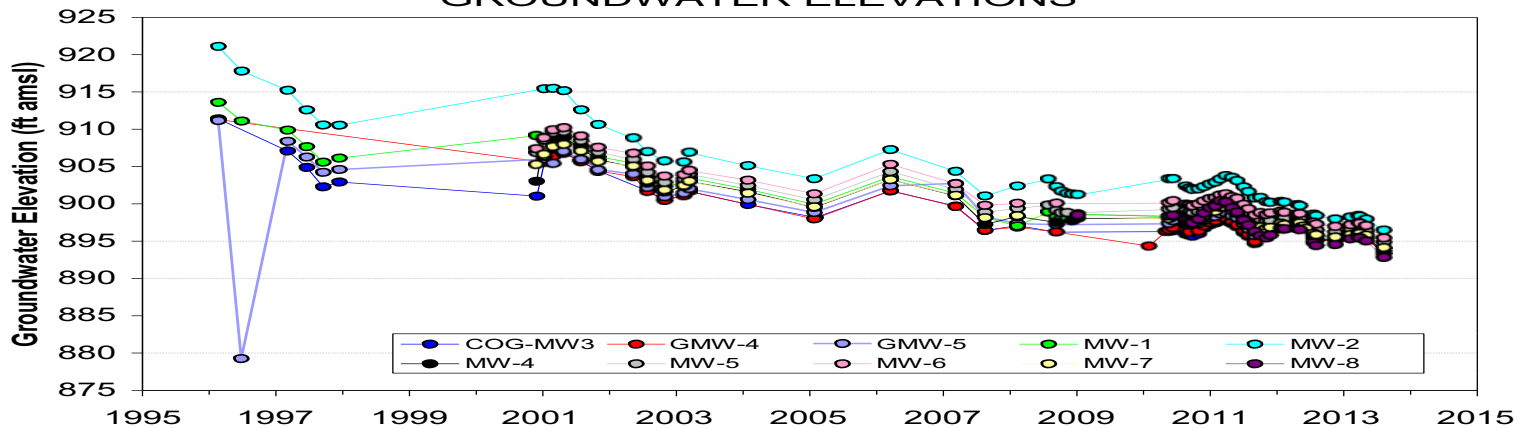


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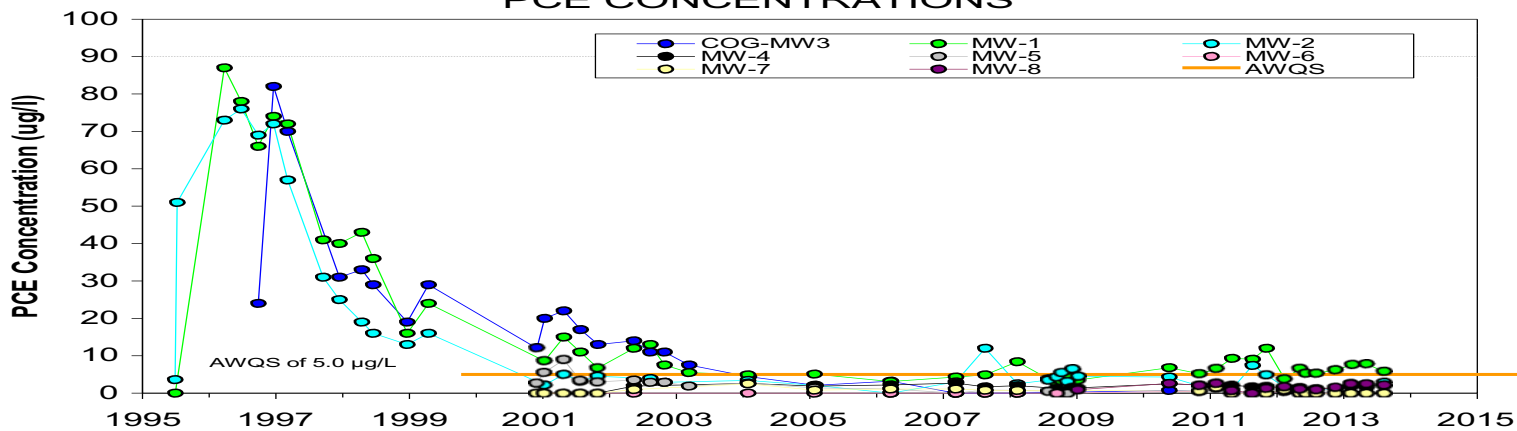


# Western Avenue WQARF Site

## GROUNDWATER ELEVATIONS

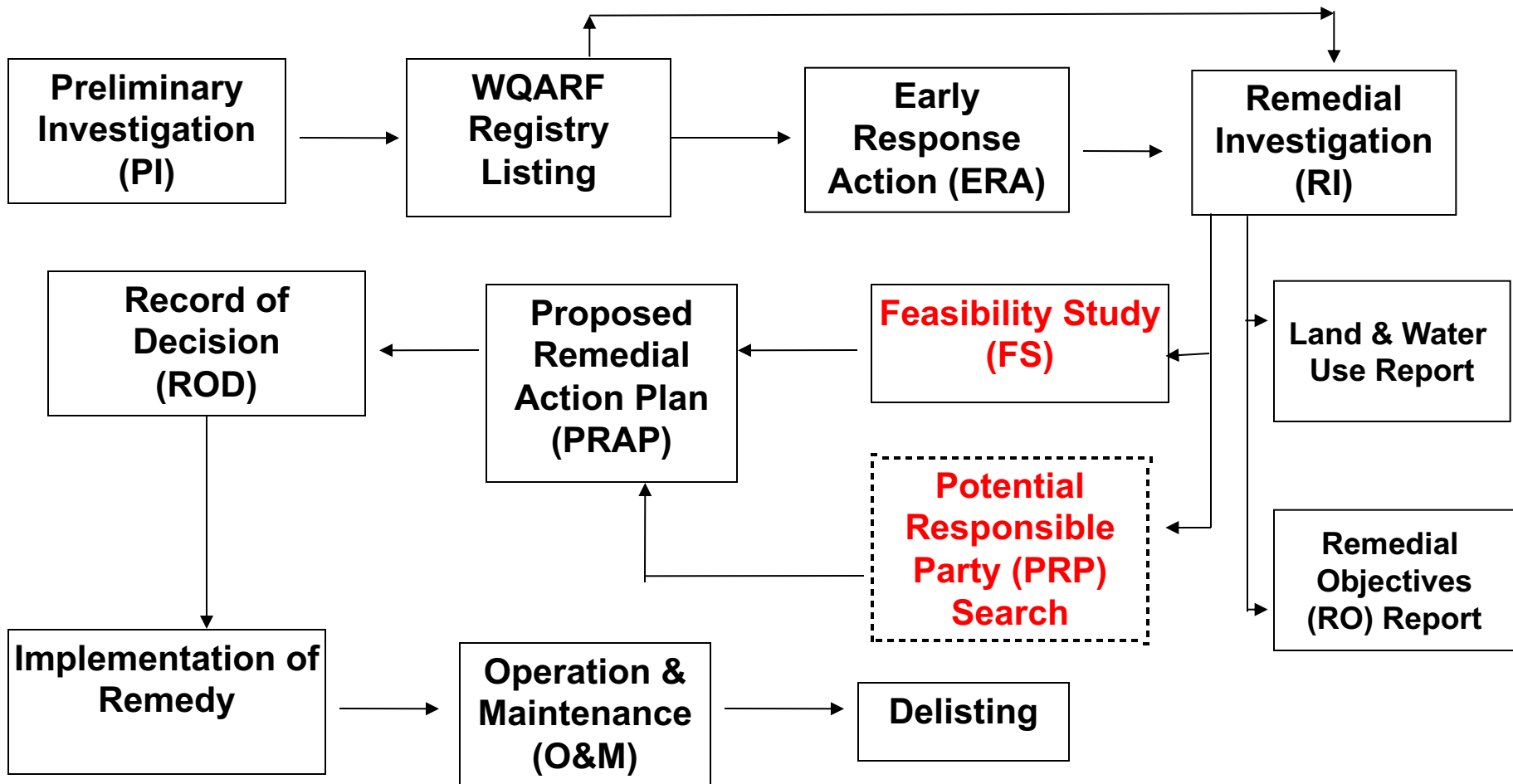


## PCE CONCENTRATIONS



WESTERN AVENUE WQARF SITE  
GROUNDWATER ELEVATION AND TETRACHLOROETHENE CONCENTRATIONS

# WQARF PROCESS



## EPA Nine Criteria

Protection of Human Health and the Environment

Compliance with Applicable or Relevant and Appropriate Requirements (ARARs)

Long Term Effectiveness and Permanence

Toxicity, Mobility or Volume Reduction Through Treatment

Short-Term Effectiveness

Implementability

Cost

State/Support Agency Acceptance



### Arizona Laws Relating to Environmental Quality

- Remedial Action Criteria; Rules 49-282.06
- Title 18 Environmental Quality Chapter 16  
Department of Environmental Quality  
Water Quality Assurance Revolving Fund  
Program R18-16-407. Feasibility Study



# Western Avenue WQARF Site

## Arizona Laws Relating to Environmental Quality

Arizona Revised Statutes ("A.R.S.") § 49-282.06(A)(1) Remedial Action Criteria; Rules Remedial Action Shall:

A., 1. Assure the protection of public health and welfare and the environment.

A.R.S. § 49-282.06(C) Consider: Population and Environmental Risks; Routes of Exposure; Amount, Concentration, Hazardous Property(s); Environmental Fate; Technical Practicality and Cost-Effectiveness

Arizona Administrative Code ("A.A.C.") R18-16-407(H).,(3).,(d). An evaluation of the benefit, or value of the remediation.

A.R.S. § 49-282.06(A)(2) To the extent practicable, provide for the control, management or cleanup of the hazardous substances in order to allow the maximum beneficial use of the waters of the State.



## Arizona Laws Relating to Environmental Quality

49-282.06

A.,3. Be reasonable, necessary, cost-effective and technically feasible.

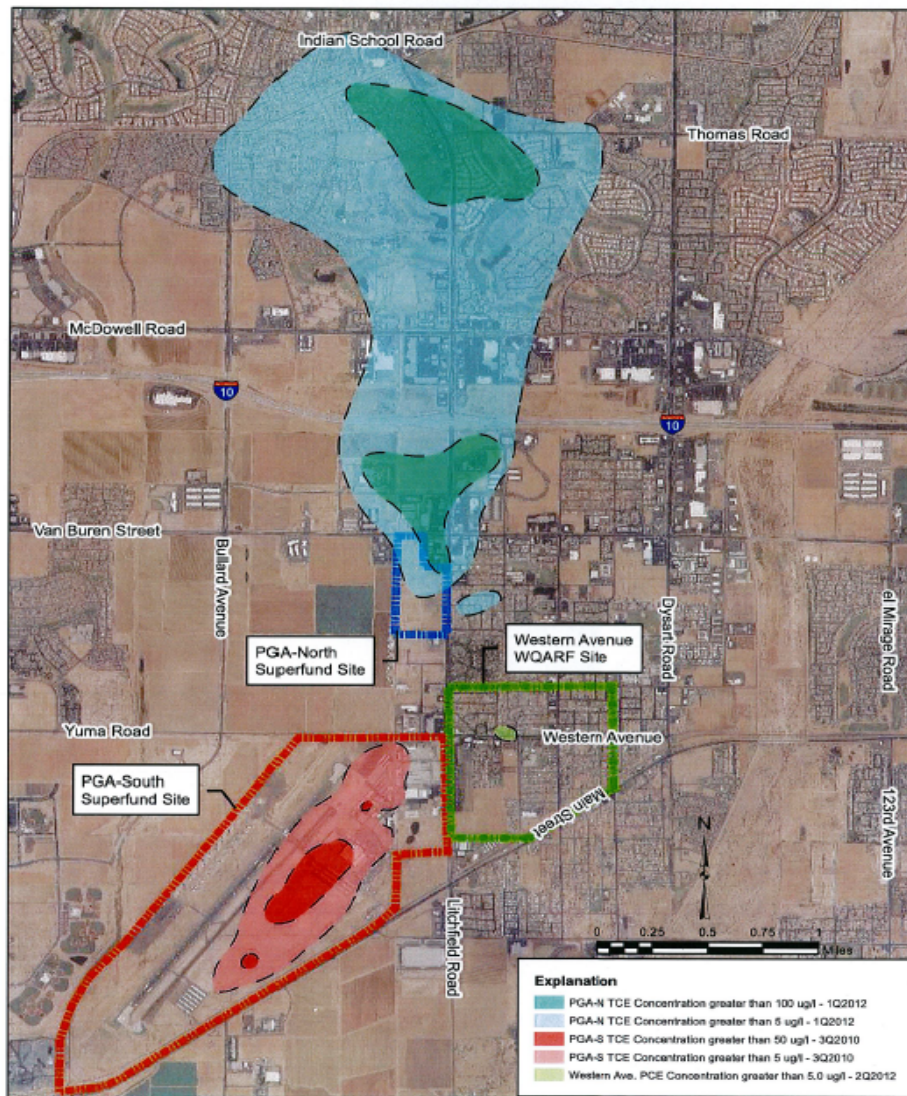
49-282.06

3.,B. The Director shall adopt rules necessary to implement this article. The Director may adopt CERCLA rules, guidelines or procedures by reference to the extent consistent with this article.

Title 18. Environmental Quality Chapter16. R18-19-301: Public Notification and Opportunities for Public Comment.

A.A.C. 18-16-404(C)(1)(d) The Community Involvement plan shall provide for notification to interested persons of the availability of the work plan to implement the feasibility study.

# Western Avenue & PGA Plumes



PHOENIX-GOODYEAR AIRPORT (PGA) AREA SITES SUBUNIT A PLUMES

## Upcoming Activities at Western Avenue

- **Next quarterly monitoring event, including water quality sampling and water level gauging of the 8 Western Avenue Wells and the COG-01 will be November 6, 2013.**

## **Thank You-Questions**

**Delfina Olivarez**

**Western Avenue Project Manager**

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**Wendy Flood Western Avenue Community**

**Involvement Coordinator**

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